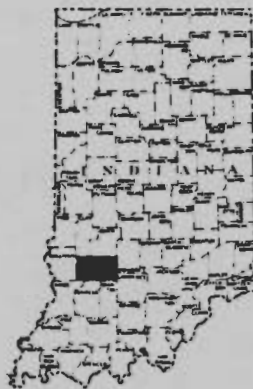


**CLASSIFICATION AND CORRELATION
OF
THE SOILS OF**

***GREENE COUNTY
INDIANA***

JULY 1984

LOCATION



**U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST NATIONAL TECHNICAL CENTER
LINCOLN, NEBRASKA**

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68508-3866

Classification and Correlation
of the Soils of
Greene County, Indiana

The correlation was handled by correspondence between Steve R. Base, soil correlator, MNTC, Lincoln, Nebraska, and Jerry D. Larson, soil scientist, Indianapolis, Indiana. The field correlation, soils handbook, correlation samples, laboratory data, field notes, field sheets, and SCS-SS-6 file were available. Steve R. Base participated in the comprehensive field review August 23-26, 1982.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lower-case letter that follows separates map units having names that begin with the same letter, except that it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number 2 indicates that the soil is moderately eroded and 3 that it is severely eroded.

SOIL CORRELATION OF
GREENE COUNTY, INDIANA

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
AlB2, SyB2	Alford silt loam, 2 to 6 percent slopes, eroded	AlB2	Alford silt loam, 2 to 6 percent slopes, eroded
AlC2	Alford silt loam, 6 to 12 percent slopes, eroded	AlC2	Alford silt loam, 6 to 12 percent slopes, eroded
BlB	Alvin-Bloomfield loamy fine sands, 2 to 6 percent slopes	AnB	Alvin-Bloomfield complex, 2 to 6 percent slopes
BlC	Alvin-Bloomfield loamy fine sands, 6 to 12 percent slopes	AnC	Alvin-Bloomfield complex, 6 to 12 percent slopes
Re	Rensselaer loam, loamy substratum, rarely flooded	Ao	Ambraw sandy clay loam, rarely flooded
Ar	Armiesburg silt loam, occasionally flooded	Ar	Armiesburg silt loam, occasionally flooded
AvB2	Ava silt loam, 2 to 6 percent slopes, eroded	AvB2	Ava silt loam, 2 to 6 percent slopes, eroded
Wh, AyA	Ayrshire sandy loam, 0 to 2 percent slopes	Ay	Ayrshire sandy loam
Bb, Ba	Bartle silt loam	Bb	Bartle silt loam
BcF	Berks-Ebal complex, 15 to 60 percent slopes	BcF	Berks-Ebal complex, 15 to 60 percent slopes
BfG	Berks-Rock outcrop complex, 45 to 70 percent slopes	BfG	Berks-Rock outcrop complex, 45 to 70 percent slopes
BlE, BlD	Bloomfield loamy sand, 15 to 25 percent slopes	BlE	Bloomfield sand, 15 to 25 percent slopes

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
BLG	Bloomfield loamy sand, 35 to 60 percent slopes	BLG	Bloomfield sand, 35 to 60 percent slopes
Bo	Bonnie silt loam, frequently flooded	Bo	Bonnie silt loam, frequently flooded
Kn	Kings silty clay, ponded	Br	Booker clay
Kh	Kings mucky silty clay loam	Bs	Booker mucky clay
CcE	Chetwynd silt loam, 18 to 25 percent slopes	CcE2	Chetwynd silt loam, 18 to 25 percent slopes, eroded
CcF	Chetwynd silt loam, 25 to 60 percent slopes	CcF	Chetwynd silt loam, 25 to 60 percent slopes
CfC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded	CfC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded
CfC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	CfC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded
CfD2	Cincinnati silt loam, 12 to 18 percent slopes, eroded	CfD2	Cincinnati silt loam, 12 to 18 percent slopes, eroded
CfD3	Cincinnati silt loam, 12 to 18 percent slopes, severely eroded	CfD3	Cincinnati silt loam, 12 to 18 percent slopes, severely eroded
ChC2, ShC2	Cincinnati Variant silt loam, 6 to 12 percent slopes, eroded	ChC2	Cincinnati silt loam, channery substratum, 6 to 12 percent slopes, eroded

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Cu	Cuba silt loam, frequently flooded	Cu	Cuba silt loam, frequently flooded
EcD	Ebal-Gilpin silt loams, 12 to 18 percent slopes	EcD	Ebal-Gilpin silt loams, 12 to 18 percent slopes
EfD2	Ebal-Wellston silt loams, 10 to 18 percent slopes, eroded	EfD2	Ebal-Wellston silt loams, 10 to 18 percent slopes, eroded
EnA	Elston loam, 0 to 2 percent slopes	EnA	Elston loam, 0 to 2 percent slopes
Ev	Evansville silt loam, rarely flooded	Ev	Evansville silt loam, rarely flooded
FaB	Fairpoint silt loam, reclaimed, 2 to 6 percent slopes	FaB	Fairpoint silt loam, reclaimed, 2 to 6 percent slopes
FcC	Fairpoint shaly clay loam, 2 to 12 percent slopes	FcC	Fairpoint shaly clay loam, 2 to 12 percent slopes
FcE	Fairpoint shaly clay loam, 18 to 25 percent slopes	FcE	Fairpoint shaly clay loam, 18 to 35 percent slopes
FcG	Fairpoint very shaly loam, 35 to 90 percent slopes	FcG	Fairpoint very shaly loam, 35 to 90 percent slopes
GcE2	Gilpin silt loam, 18 to 25 percent slopes, eroded	GcE2	Gilpin silt loam, 18 to 25 percent slopes, eroded
GfF, BdF	Gilpin-Berks complex 30 to 60 percent slopes	GfF	Gilpin-Berks complex 30 to 60 percent slopes
GgE	Gilpin-Ebal silt loams, 18 to 30 percent slopes	GgE	Gilpin-Ebal silt loams, 18 to 30 percent slopes

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
GmE	Gilpin-Wellston silt loams, 18 to 25 percent slopes	GmE	Gilpin-Wellston silt loams, 18 to 25 percent slopes
CoE2	Hagerstown silt loam, 18 to 25 percent slopes, eroded	HaE2	Hagerstown silt loam, 18 to 25 percent slopes, eroded
Hb, Wk	Haymond silt loam, frequently flooded	Hb	Haymond silt loam, frequently flooded
Hc	Haymond silt loam, rarely flooded	Hc	Haymond silt loam, rarely flooded
HdA	Henshaw silt loam, 1 to 3 percent slopes	HdA	Henshaw silt loam, 1 to 3 percent slopes
HeD	Hickory silt loam, 12 to 18 percent slopes	HeD2	Hickory silt loam, 12 to 18 percent slopes, eroded
HeE	Hickory silt loam, 18 to 25 percent slopes	HeE	Hickory silt loam, 18 to 25 percent slopes
HeG	Hickory loam, 30 to 60 percent slopes	HeG	Hickory loam, 30 to 60 percent slopes
MbB2	Markland silt loam, 2 to 6 percent slopes, eroded	MbB2	Markland silty clay loam, 2 to 6 percent slopes, eroded
MgA	McGary silt loam, 0 to 2 percent slopes	MgA	McGary silt loam, 0 to 2 percent slopes
Mo	Montgomery silty clay loam, ponded	Mo	Montgomery silty clay loam
Mu	Muskego muck	Mu	Muskego muck
Wa	Wakeland silt loam, frequently flooded	Ne	Newark loam, frequently flooded
No	Nolin silt loam, occasionally flooded	No	Nolin silt loam, occasionally flooded

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Nr	Nolin silt loam, rarely flooded	Nr	Nolin silt loam, rarely flooded
PbC2	Parke silt loam, 6 to 12 percent slopes, eroded	PbC2	Parke silt loam, 6 to 12 percent slopes, eroded
PbD2	Parke silt loam, 12 to 18 percent slopes, eroded	PbD2	Parke silt loam, 12 to 18 percent slopes, eroded
Pc	Patton silty clay loam	Pc	Patton silty clay loam
PdB2, PdA	Pekin silt loam, 2 to 6 percent slopes, eroded	PdB2	Pekin silt loam, 2 to 6 percent slopes, eroded
Pf	Peoga silt loam	Pf	Peoga silt loam
Cx, Bu	Cuba Variant silt loam, frequently flooded	Pg	Piankeshaw silt loam, frequently flooded
PkB2	Pike silt loam, 2 to 6 percent slopes, eroded	PkB2	Pike silt loam, 2 to 6 percent slopes, eroded
PkC2	Pike silt loam, 6 to 12 percent slopes, eroded	PkC2	Pike silt loam, 6 to 12 percent slopes, eroded
PrB, PrB2	Princeton fine sandy loam, 2 to 6 percent slopes	PrB	Princeton fine sandy loam, 2 to 6 percent slopes
PrC2, PrC	Princeton fine sandy loam, 6 to 12 percent slopes, eroded	PrC	Princeton fine sandy loam, 6 to 12 percent slopes
RaA	Reesville silt loam, 0 to 2 percent slopes	RaA	Reesville silt loam, 0 to 2 percent slopes
Rb, Ly	Rensselaer sandy loam	Rb	Rensselaer sandy loam

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Rd	Rensselaer loam	Rd	Rensselaer loam
RmA	Roby sandy loam, 0 to 2 percent slopes	RmA	Roby sandy loam, 0 to 2 percent slopes
AxB	Shakamak silt loam, 1 to 3 percent slopes	ScA	Shakamak silt loam, 1 to 3 percent slopes
So	Steff silt loam, rarely flooded	So	Steff silt loam, rarely flooded
Sr, Sk	Steff silt loam, frequently flooded	Sr	Steff silt loam, frequently flooded
St, Sn	Stendal silt loam, frequently flooded	St	Stendal silt loam, frequently flooded
Ud	Udorthents, loamy, 0 to 12 percent slopes	Ud	Udorthents, loamy
EmE	Elkinsville silt loam, 18 to 30 percent slopes	UnE	Uniontown silt loam, 18 to 30 percent slopes
VgA	Vigo silt loam, 0 to 2 percent slopes	VgA	Vigo silt loam, 0 to 2 percent slopes
WcA, Wc	Waupecan silt loam, rarely flooded, 0 to 2 percent slopes	WcA	Waupecan silt loam, rarely flooded, 0 to 2 percent slopes
WeD2	Wellston silt loam, 12 to 18 percent slopes, eroded	WeD2	Wellston silt loam, 12 to 18 percent slopes, eroded
WeD3	Wellston silt loam, 12 to 18 percent slopes, severely eroded	WeD3	Wellston silt loam, 12 to 18 percent slopes, severely eroded
WgD2	Wellston silt loam, karst, 6 to 18 percent slopes, eroded	WgD2	Wellston silt loam, karst, 6 to 18 percent slopes, eroded

GREENE COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Ph	Petrolia silty clay loam, frequently flooded	Wm	Wilhite silty clay, frequently flooded
Sy, Sv	Stonelick very fine sandy loam, frequently flooded	Wt	Wirt very fine sandy loam, frequently flooded
TgA, TgB	Tilsit silt loam, 1 to 3 percent slopes	ZaA	Zanesville silt loam, 1 to 3 percent slopes
ZaB2	Zanesville silt loam, 2 to 6 percent slopes, eroded	ZaB2	Zanesville silt loam, 2 to 6 percent slopes, eroded
ZaC2, WeC2	Zanesville silt loam, 6 to 12 percent slopes, eroded	ZaC2	Zanesville silt loam, 6 to 12 percent slopes, eroded
ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded
Zp	Zipp silty clay, ponded	Zp	Zipp silty clay

Series Established by this Correlation:

Piankeshaw (type location in Greene County, Indiana)

Shakamak (type location in Greene County, Indiana)

Series Dropped or Made Inactive:

None

Certification Statement:

The state soil scientist certifies that:

1. Mapping was completed June 1983.

2. The general soil map for general planning has been joined to the map for the completed Owen County, Clay County, Sullivan County, Knox County, Davies County, Martin County, Lawrence County, and Monroe County. All lines join except for one area from Davies County that joins a split unit in Greene County. The names of the mapping units have some differences because of changes in concept, design of mapping units, newly established series and proportion of soils within the mapping units. Most associations have at least one name in common, and all join associations that have similar soils. A detailed account of the joins is attached to the report of field correlation and final field review.

The detailed maps have been joined and color checked to prove that each unit is a closed delineation. All lines join. In some cases, mapping unit names differ because series used in the adjoining survey areas were not of sufficient extent or importance to recognize in the survey area. Also, mapping unit design has resulted in some differences where similar soils or different erosion classes join. A detailed account of the joins is attached to the report of field correlation and final field review.

3. Interpretations have been checked and the interpretations that will be used are those that are on the SCS-SOILS-5's.

4. The locations of pedon descriptions are in soil areas using those reference names and legal descriptions. The locations have been checked by the party leader and his staff.

Verification of Exact Cooperator Names:

The following will be on the front of the publication:

United States Department of Agriculture
Soil Conservation Service
in cooperation with
Purdue University
Agricultural Experiment Station
and
Indiana Department of Natural Resources
Soil and Water Conservation Committee

The citation in the box on the inside of the front cover will read: "This survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, and the Indiana Department of Natural Resources, Soil and Water Conservation Committee. It is part of the technical assistance furnished to the Greene County Soil and Water Conservation District. Financial assistance was made available by the Greene County Board of County Commissioners."

Disposition of Original Atlas Field Sheets:

The original atlas field sheets for Greene County will be retained by the Indiana State Office, and will be used in the map compilation and finishing procedures. Copies have been made for fire protection purposes. The state office at Indianapolis will prepare the atlas sheets for publication by October 1984.

Prior Soil Survey Publications:

A prior soil survey was made for Greene County, Indiana, in 1906. The prior published soil survey will be included in the literature citations for the manuscript. The following will be published in the introductory material of the manuscript: "The first soil survey of Greene County was completed in 1906 and published in 1907. This survey updates the first survey and provides additional information and larger maps that show the soils in greater detail."

Soil Survey of Greene County, Indiana, by W. E. Tharp and Charles J. Mann, U.S. Department of Agriculture, Bureau of Soils; Milton Whitney, Chief, in cooperation with the Indiana Agricultural Experiment Station; A. Goss, Director; 39 pp., illus., 1907.

Instructions for Map Finishing:

The conventional and special symbols used in this survey are listed on the attached SCS-37A. These are the only symbols that will be shown on the published maps. The maps will be finished using the "Guide for Soil Map Finishing", July 1976.

**CONVENTIONAL AND SPECIAL
SYMBOLS LEGEND**Soil Survey Area: Greene County
State: IndianaDate: 4/84

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY	
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES		SOIL DELINEATIONS AND SOIL SYMBOLS	
County or parish		Farmstead, house (omit in urban areas)		ESCARPMENTS	
Minor civil division		Church		Bedrock (points down slope)	
Reservation (national forest or park, state forest or park, and large airport)		School		Other than bedrock (points down slope)	
Field sheet matchline & nestline				SHORT STEEP SLOPE	
AD HOC BOUNDARY (label)				DEPRESSION OR SINK	
Small airport, airfield, park, oilfield, cemetery, or flood pool				MISCELLANEOUS	
STATE COORDINATE TICK 1 890 000 FEET		WATER FEATURES			
LAND DIVISION CORNERS (sections and land grants)		DRAINAGE			
ROADS		Perennial, double line		Dumps and other similar non soil areas	
County, farm or ranch		Perennial, single line		Rock outcrop (includes sandstone and shale)	
		Intermittent		Sandy spot	
		Drainage end		Severely eroded spot	
		Canals or ditches			
		Drainage and/or irrigation			
ROAD EMBLEMS & DESIGNATIONS				RECOMMENDED AD HOC SOIL SYMBOLS	
Federal		LAKES, PONDS AND RESERVOIRS		Area of vegetated mine spoil up to 2 acres in size.	
State		Perennial		Area of extremely eroded soil. Fine-loamy, mixed, mesic Typic Dystrochrept. 1/2 to 2 acres in size.	
RAILROAD		MISCELLANEOUS WATER FEATURES		Area of extremely acid mine spoil up to 2 acres in size.	
		Marsh or swamp			
LEVEES					
Without road					
DAMS					
Medium or small					
PITS					
Mine or quarry					

SOIL SURVEY GREENE COUNTY, INDIANA

PRIME FARMLAND

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name)

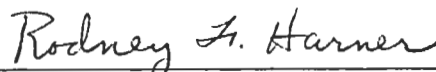
Map symbol	Soil name
ALB2	:Alford silt loam, 2 to 6 percent slopes, eroded
Ao	:Ambraw sandy clay loam, rarely flooded (where drained)
Ar	:Armiesburg silt loam, occasionally flooded
AvB2	:Ava silt loam, 2 to 6 percent slopes, eroded
Ay	:Ayrshire sandy loam (where drained)
Bb	:Bartle silt loam (where drained)
Bo	:Bonnie silt loam, frequently flooded (where drained and : protected from flooding or not frequently flooded during : the growing season)
Br	:Booker clay (where drained)
Bs	:Booker mucky clay (where drained)
Cu	:Cuba silt loam, frequently flooded (where protected from : flooding or not frequently flooded during the growing : season)
EnA	:Elston loam, 0 to 2 percent slopes
Ev	:Evansville silt loam, rarely flooded (where drained)
Hb	:Haymond silt loam, frequently flooded (where protected : from flooding or not frequently flooded during the : growing season)
Hc	:Haymond silt loam, rarely flooded
HdA	:Henshaw silt loam, 1 to 3 percent slopes
MbB2	:Markland silty clay loam, 2 to 6 percent slopes, eroded
MgA	:McGary silt loam, 0 to 2 percent slopes (where drained)
Mo	:Montgomery silty clay loam (where drained)
Ne	:Newark loam, frequently flooded (where drained and : protected from flooding or not frequently flooded during : the growing season)
No	:Nolin silt loam, occasionally flooded
Nr	:Nolin silt loam, rarely flooded
Pc	:Patton silty clay loam (where drained)
PdB2	:Pekin silt loam, 2 to 6 percent slopes, eroded
Pf	:Peoga silt loam (where drained)
Pg	:Piankeshaw silt loam, frequently flooded (where protected : from flooding or not frequently flooded during the : growing season)
PkB2	:Pike silt loam, 2 to 6 percent slopes, eroded

SOIL SURVEY GREENE COUNTY, INDIANA

PRIME FARMLAND--Continued

Map symbol	Soil name
PrB	!Princeton fine sandy loam, 2 to 6 percent slopes
RaA	!Peesville silt loam, 0 to 2 percent slopes (where ! drained)
Rb	!Rensselaer sandy loam (where drained)
Rd	!Rensselaer loam (where drained)
RmA	!Roby sandy loam, 0 to 2 percent slopes
ScA	!Shakamak silt loam, 1 to 3 percent slopes
So	!Steff silt loam, rarely flooded
Sr	!Steff silt loam, frequently flooded (where protected from ! flooding or not frequently flooded during the growing ! season)
St	!Stendal silt loam, frequently flooded (where drained and ! protected from flooding or not frequently flooded during ! the growing season)
VgA	!Vigo silt loam, 0 to 2 percent slopes (where drained)
WcA	!Waubecan silt loam, rarely flooded, 0 to 2 percent slopes
Wt	!Wirt very fine sandy loam, frequently flooded (where ! protected from flooding or not frequently flooded during ! the growing season)
ZaA	!Zanesville silt loam, 1 to 3 percent slopes
ZaB2	!Zanesville silt loam, 2 to 6 percent slopes, eroded
Zp	!Zipp silty clay (where drained)

Approved: July 12, 1984



RODNEY F. HARNER
Head, Soils Staff
Midwest NTC

CONVERSION LEGEND FOR
GREENE COUNTY, INDIANA

Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol
ALB2	ALB2	GmE	GmE	Sv	Wt		
ALC2	ALC2	Hb	Hb	Sy	Wt		
Ar	Ar	Hc	Hc	SyB2	ALB2		
AvB2	AvB2	HdA	HdA	TgA	ZaA		
AxB	ScA	HeD	HeD2	TgB	ZaA		
AyA	Ay	HeE	HeE	Ud	Ud		
Ba	Bb	HeG	HeG	VgA	VgA		
Bb	Bb	Kh	Bs	Wa	Ne		
BcF	ScF	Kn	Br	Wc	WcA		
BdF	GfF	Ly	Rb	WcA	WcA		
BfG	BfG	MbB2	MbB2	WeC2	ZaC2		
BLB	AnB	MgA	MgA	WeD2	WeD2		
BLC	AnC	Mo	Mo	WeD3	WeD3		
BLD	BLE	Mu	Mu	WgD2	WgD2		
BLE	BLE	No	No	Wh	Ay		
BLG	BLG	Nr	Nr	Wk	Hb		
Bo	Bo	PbC2	PbC2	ZaB2	ZaB2		
Bu	Pg	PbD2	PbD2	ZaC2	ZaC2		
CcE	CcE2	Pc	Pc	ZaC3	ZaC3		
CcF	CcF	PdA	PdB2	Zp	Zp		
Cfc2	Cfc2	PdB2	PdB2				
Cfc3	Cfc3	Pf	Pf				
Cfd2	Cfd2	Ph	Wm				
Cfd3	Cfd3	PkB2	PkB2				
ChC2	ChC2	PkC2	PkC2				
CoE2	HaE2	PrB	PrB				
Cu	Cu	PrB2	PrB				
Cx	Pg	PrC	PrC				
EcD	EcD	PrC2	PrC				
EfD2	EfD2	RaA	RaA				
EmE	UnE	Rb	Rb				
EnA	EnA	Rd	Rd				
Ev	Ev	Re	Ao				
FaB	FaB	RmA	RmA				
FcC	FcC	ShC2	ChC2				
FcE	FcE	Sk	Sr				
FcG	FcG	Sn	St				
GcE2	GcE2	So	So				
GfF	GfF	Sr	Sr				
GgE	GgE	St	St				

CLASSIFICATION OF PEDONS SAMPLED
FOR LABORATORY ANALYSIS

1. NSSL Data for Which Forms SCS-SOILS-8 Have Been Prepared

<u>Sampled as</u>	<u>Pedon Sample No.</u>	<u>Publication Symbol</u>	<u>Approved Series Name or Classification</u>
McGary	S60IN28-1-(1-8)	MgA	McGary taxadjunct (Typic)
McGary	S60IN28-2-(1-7)	MgA	McGary ^{1/}
Montgomery	S60IN28-(1-8)	Mo	Montgomery ^{1/}
Montgomery	S60IN28-4-(1-7)	Mo	Montgomery ^{1/}

2. Purdue University Lab Data for Which Forms SCS-SOILS-8 Have Been Prepared

Alford	S80IN55-3-(1-9)	A1B2	Alford taxadjunct (Ultic) ^{2/}
Alvin	S80IN55-5-(1-8)	AnC	Alvin ^{2/}
Armiesburg	S80IN55-9-(1-9)	Ar	Armiesburg ^{2/}
Ava	S79IN55-6-(1-8)	AvB2	Ava ^{2/}
Ava Variant	S79IN55-5-(1-9)	ScA	Shakamak
Bloomfield	S80IN55-2-(1-7)	AnC	Bloomfield ^{2/}
Bonnie	S79IN55-7-(1-5)	Bo	Bonnie ^{2/}
Kings	S80IN55-14-(1-9)	Bs	Booker ^{2/}
Kings	S79IN55-23-(1-10)	Br	Booker
Chetwynd	S79IN55-9-(1-9)	CcF	Chetwynd taxadjunct (Ultic Hapludalf) ^{2/}
Cincinnati	S79IN55-11-(1-9)	CfC2	Cincinnati
Cincinnati	S79IN55-10-(1-8)	CfC2	Cincinnati
Cincinnati	S79IN55-12-(1-10)	CfD2	Cincinnati
Cincinnati	S79IN55-13-(1-8)	CfD3	Cincinnati
Variant	S80IN55-11-(1-9)	ChC2	Cincinnati channery substratum
Cuba	S79IN55-15-(1-6)	Cu	Cuba taxadjunct (coarse-loamy)
Evansville	S79IN55-16-(1-7)	Ev	Evansville taxadjunct (acid) ^{2/}
Fairpoint	S79IN55-17-(1-3)	FcB	Fairpoint ^{2/}
Fairpoint	S79IN55-4-(1-3)	FcG	Fairpoint ^{2/}
Haymond	S79IN55-19-(1-6)	Hb	Haymond ^{2/}
Henshaw	S79IN55-20-(1-6)	HdA	Henahaw ^{2/}
Hickory	S79IN55-22-(1-7)	HeG	Hickory
Lyles	S79IN55-24-(1-8)	Rb	Rensselaer ^{2/}
Markland	S79IN55-25-(1-5)	MbB2	Markland ^{2/}
Parke	S79IN55-26-(1-7)	PbC2	Parke taxadjunct (fine-loamy)
Patton	S80IN55-20(1-7)	Pc	Patton taxadjunct (fine) ^{2/}
Pekin	S79IN55-27-(1-7)	PdB2	Pekin ^{2/}
Peroga	S79IN55-1-(1-7)	Pf	Peoga ^{2/}
Petrolia	S80IN55-21-(1-7)	Wm	Wilhite ^{2/}
Pike	S79IN55-28-(1-8)	PkB2	Pike ^{2/}
Princeton	S80IN55-22-(1-10)	PrB	Princeton ^{2/}
Rensselaer	S80IN55-25-(1-9)	Rb	Rensselaer
Rensselaer			
Variant	S79IN55-29-(1-8)	Ao	Ambrow ^{2/}
Roby	S80IN55-1-(1-7)	RmA	Roby taxadjunct (Aqualf) ^{2/}

Steff	S79IN55-31-(1-6)	Sr
Stendal	S79IN55-32-(1-6)	St
Stonelick		
Variant	S79IN55-33-(1-5)	Wt
Vigo	S79IN55-34-(1-8)	VgA
Wakeland	S80IN55-26-(1-7)	Ne
Waupecan	S79IN55-35-(1-8)	WcA
Whitaker	S79IN55-2-(1-8)	Ay
Zipp Variant	S79IN55-36-(1-9)	Zp

Steff taxadjunct (c-si)^{2/}
Stendal taxadjunct (c-si)^{2/}

Wirt^{2/}
Vigo^{2/}
Newark^{2/}
Waupecan^{2/}
Ayrshire^{2/}
Zipp^{2/}

^{1/}Type location.

^{2/}Typical pedon.

Notes to Accompany
Classification and Correlation
of the Soils of
Greene County, Indiana

by
Jerry D. Larson
and
Steve R. Base

ALFORD SERIES

This soil is considered as a taxadjunct to the Alford series because it has a lower base saturation than is definitive for the series. This soil will classify as fine-silty, mixed, mesic Ultic Hapludalfs.

ALVIN SERIES

Alvin soils have more sand and less clay in the Bt horizon than defined for the Alvin series. In addition these soils are less acid in the lower part of the solum and the Bt horizon is too thick.

ARMIESBURG SERIES

The lower B horizon is clay loam.

AVA SERIES

This soil is medium acid in the Bt1 horizon while the series permits strongly acid to extremely acid. The solum is a little too thick. This soil is not considered taxadjunct based on these features.

AYRSHIRE SERIES

This soil is moderately permeable while series currently is moderately slow. These soils are on terraces and formed in silty and sandy water laid materials. Ayrshire soils have more gravel in the C horizon (2 to 15 percent) than is defined for the series. Also, it is less acid in the lower part of the solum and the E horizon has a 3 chroma. This soil is not considered taxadjunct on the basis of these features.

BOOKER SERIES

The lower B horizon has a higher color value than defined for the series.

CHETWYND SERIES

This soil is a taxadjunct because the base saturation is too high at the critical depth. It is an Ultic Hapludalf.

CUBA SERIES

These soils have slightly less clay in the control section than is defined for the series and are therefore considered taxadjuncts to the Cuba series. These soils will classify as coarse-silty, mixed, mesic Fluventic Dystrocrepts.

EBAL SERIES

This soil has less sandstone fragments in the argillic horizon and is boarderline to fine-silty but is not considered a taxadjunct. Also, the solum is thinner than described for the series.

ELSTON SERIES

The B horizon of this soil is slightly acid or neutral while the series requires a reaction of medium acid to very strongly acid. This soil is not considered taxadjunct based on these features.

EVANSVILLE SERIES

These soils are more acid in the B horizon than defined for the series and are therefore considered taxadjunct to the Evansville series. These soils are very strongly acid and strongly acid while the series requires slightly acid to mildly alkaline. These soils will classify as fine-silty, mixed, acid, mesic Typic Haplaquepts.

FAIRPOINT SERIES

The map unit FaB is reclaimed mined soil. This soil may be slowly permeable while the series is moderately slowly permeable because of compaction in the C horizon. It also contains less coarse fragments in the upper part.

GILPIN SERIES

The Gilpin soil in map unit EcD, GgE, and GmE is deeper to solid bedrock than is defined for the series. These soils are therefore considered taxadjunct to the Gilpin series.

HAGERSTOWN SERIES

The upper part of this soil that formed in loess is thicker than defined for the series. Some of this soil is borderline to fine-silty.

HENSHAW SERIES

This soil has slightly higher reaction than the defined range of the series. This soil is not considered taxadjunct based on this feature.

HICKORY SERIES

The E and BE horizons are a little too thin and the Bt horizon is a little thick. The texture of the BC and C horizons is outside the range of the series. The solum is too thick in map unit HeD2. Map unit HeG is shallower to the calcareous C horizon and has less clay in the argillic horizon than is defined for the series.

MARKLAND SERIES

The lower Bt horizon has a little higher pH than defined for the series.

MUSKEGO SERIES

The Oa4 horizon has a little redder hue than defined for the series.

PATTON SERIES

This soil is a taxadjunct. It contains too much clay. It is a fine, mixed, mesic Typic Haplaquoll.

PEOGA SERIES

The Bt and C horizons have higher chroma than defined for the series. These horizons have chroma of 6 while the series requires a chroma of 1 or 2. This soil is not considered taxadjunct based on this feature.

PIANKESHAW SERIES

This soil is established by this correlation. It has formed in alluvium. It is a fine-loamy, mixed, nonacid, mesic Typic Udifluvent.

ROBY SERIES

This soil is less acid and is more gray in the upper part of the subsoil than is defined for the series, and is therefore considered a taxadjunct. It is an Aeris Ochraqualf coarse-loamy, mixed, mesic.

SHAKAMAK SERIES

This series is established by this correlation. It has formed in 40 to 60 inches of loess over glacial till. It is a fine-silty, mixed, mesic Aquic Fragiudalf.

STEFF SERIES

This soil has less clay in the subsoil than is defined for the series. Therefore this soil is considered taxadjunct to the Steff series. These soils will classify as coarse-silty, mixed, mesic Fluvaquentic Dystrochepts.

STENDAL SERIES

This soil has less clay in the subsoil than is defined for the series. Therefore this soil is considered taxadjunct to the Stendal series. These soils will classify as coarse-silty, mixed, acid, mesic Aeris Fluvaquents.

UNIONTOWN SERIES

The solum is a little thick and contains relict mottles. Also, the C horizon has a redder hue than defined for the series.

WAUPECAN SERIES

The pH of this soil is slightly lower and the solum is thicker than the defined range of the series.

WELLSTON SERIES

The map unit WgD2 is moderately slowly permeable because the lower part of the subsoil and substratum is finer than defined for the series. This soil is not a taxadjunct based upon this feature.

WILHITE SERIES

Most of the B and C horizons of this soil have a little higher reaction than is permitted for the series. Also, part of the control section is clay loam instead of silty clay loam.

ZANESVILLE SERIES

The map unit ZaA has 2 chroma mottles in the upper 10 inches of the argillic horizon which is not permitted for the series. Therefore this soil is considered taxadjunct to the Zanesville series. It classifies as fine-silty, mixed, mesic Aquic Fragiudalfs.

ZIPP SERIES

The B horizon of this soil is more acid than defined for the series. Part of the B horizon is very strongly acid while the series permits a reaction of slightly acid or neutral. This soil is considered a taxadjunct to the Zipp series.

SOIL SURVEY GREENE COUNTY, INDIANA

CLASSIFICATION OF THE SOILS

(An asterisk in the first column indicates a taxadjunct to the series. See notes for a description of those characteristics of this taxadjunct that are outside the range of the series)

Soil name	Family or higher taxonomic class
*Alford-----	Fine-silty, mixed, mesic Typic HapludalFs
Alvin-----	Coarse-loamy, mixed, mesic Typic HapludalFs
Ambraw-----	Fine-loamy, mixed, mesic Fluvaquentic Haplaquolls
Armiesburg---	Fine-silty, mixed, mesic Fluventic Hapludolls
Ava-----	Fine-silty, mixed, mesic Typic FragiudalFs
Ayrshire-----	Fine-loamy, mixed, mesic Aerio OchraqualFs
Bartle-----	Fine-silty, mixed, mesic Aerio FragiaqualFs
Berks-----	Loamy-skeletal, mixed, mesic Typic Dystrochrepts
Bloomfield---	Sandy, mixed, mesic Psammentic HapludalFs
Bonnie-----	Fine-silty, mixed, acid, mesic Typic Fluvaquents
Booker-----	Very-fine, montmorillonitic, mesic Vertic Haplaquolls
*Chetwynd----	Fine-loamy, mixed, mesic Typic Hapludults
Cincinnati---	Fine-silty, mixed, mesic Typic FragiudalFs
*Cuba-----	Fine-silty, mixed, mesic Fluventic Dystrochrepts
Ebal-----	Fine, mixed, mesic Ultic HapludalFs
Elston-----	Coarse-loamy, mixed, mesic Typic Argiudolls
*Evansville---	Fine-silty, mixed, nonacid, mesic Typic Haplaquepts
Fairpoint----	Loamy-skeletal, mixed, nonacid, mesic Typic Udorthents
Gilpin-----	Fine-loamy, mixed, mesic Typic Hapludults
Hagerstown---	Fine, mixed, mesic Typic HapludalFs
Haymond-----	Coarse-silty, mixed, nonacid, mesic Typic Udifluvents
Henshaw-----	Fine-silty, mixed, mesic Aquic HapludalFs
Hickory-----	Fine-loamy, mixed, mesic Typic HapludalFs
Markland-----	Fine, mixed, mesic Typic HapludalFs
McGary-----	Fine, mixed, mesic Aerio OchraqualFs
Montgomery---	Fine, mixed, mesic Typic Haplaquolls
Muskego-----	Coprogenous, euic, mesic Limnic Medisaprists
Newark-----	Fine-silty, mixed, nonacid, mesic Aerio Fluvaquents
Nolin-----	Fine-silty, mixed, mesic Dystric Fluventic Eutrochrepts

SOIL SURVEY GREENE COUNTY, INDIANA

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Parke-----	Fine-silty, mixed, mesic Ultic HapludalFs
*Patton-----	Fine-silty, mixed, mesic Typic Haplaquolls
Pekin-----	Fine-silty, mixed, mesic Aquic FragiudalFs
Peoga-----	Fine-silty, mixed, mesic Typic OchraqualFs
Piankeshaw---	Fine-loamy, mixed, mesic Dystric Fluventic
	Eutrochrepts
Pike-----	Fine-silty, mixed, mesic Ultic HapludalFs
Princeton----	Fine-loamy, mixed, mesic Typic HapludalFs
Reesville----	Fine-silty, mixed, mesic Aerio OchraqualFs
Rensselaer---	Fine-loamy, mixed, mesic Typic Argiaquolls
*Roby-----	Coarse-loamy, mixed, mesic Aquic HapludalFs
Shakamak-----	Fine-silty, mixed, mesic Aquic FragiudalFs
*Steff-----	Fine-silty, mixed, mesic Fluvaquentic
	Dystrochrepts
*Stendal-----	Fine-silty, mixed, acid, mesic Aerio Fluvaquents
Udorthents---	Loamy, mesic Udorthents
Uniontown----	Fine-silty, mixed, mesic Typic HapludalFs
Vigo-----	Fine-silty, mixed, mesic Typic Glossaqualfs
Waupecan-----	Fine-silty, mixed, mesic Typic Argiudolls
Wellston-----	Fine-silty, mixed, mesic Ultic HapludalFs
Wilhite-----	Fine, mixed, nonacid, mesic Typic Fluvaquents
Wirt-----	Coarse-loamy, mixed, nonacid, mesic Typic
	Udifluvents
Zanesville---	Fine-silty, mixed, mesic Typic FragiudalFs
*Ziop-----	Fine, mixed, nonacid, mesic Typic Haplaquepts